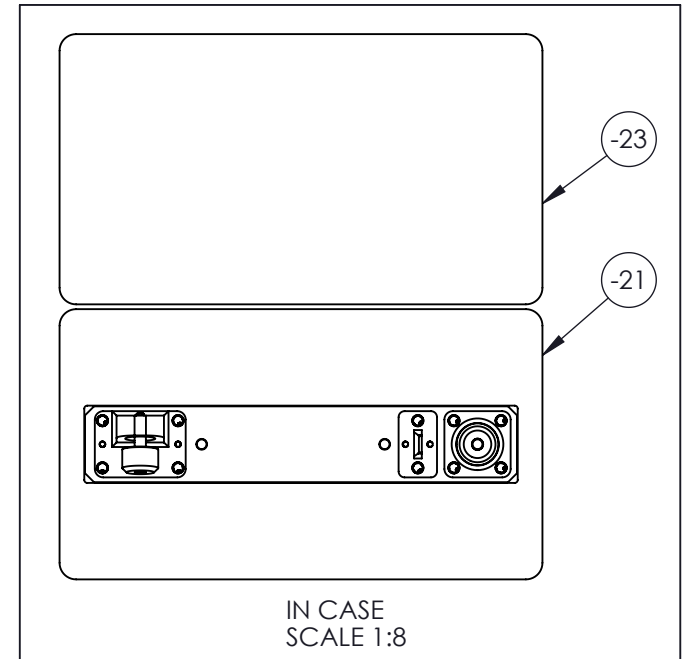
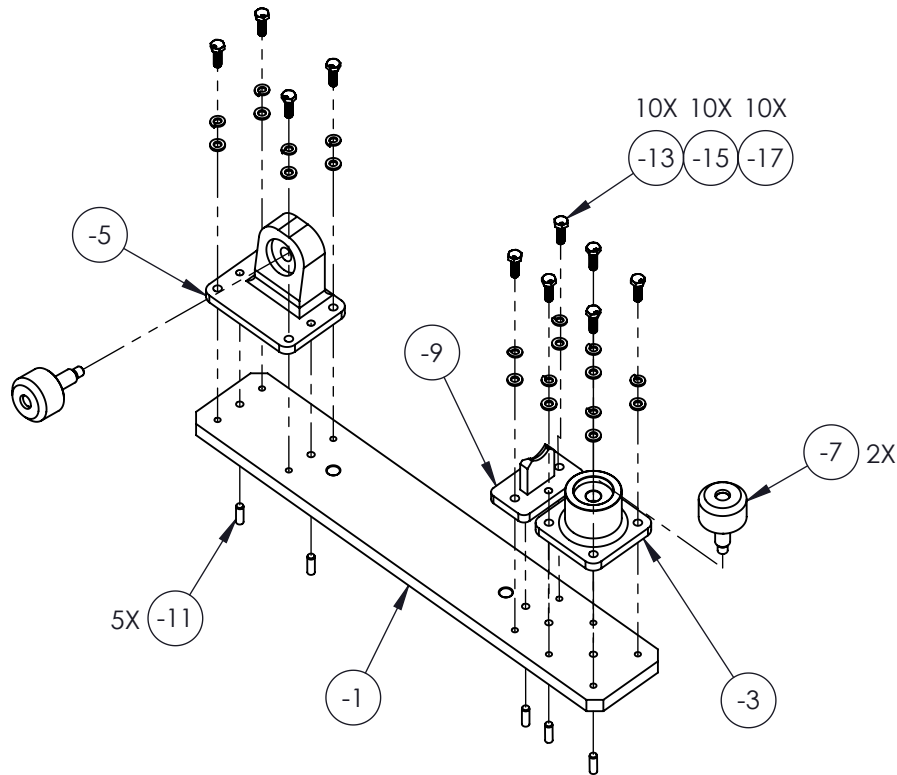


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	2/22/2017	RJC	JAG



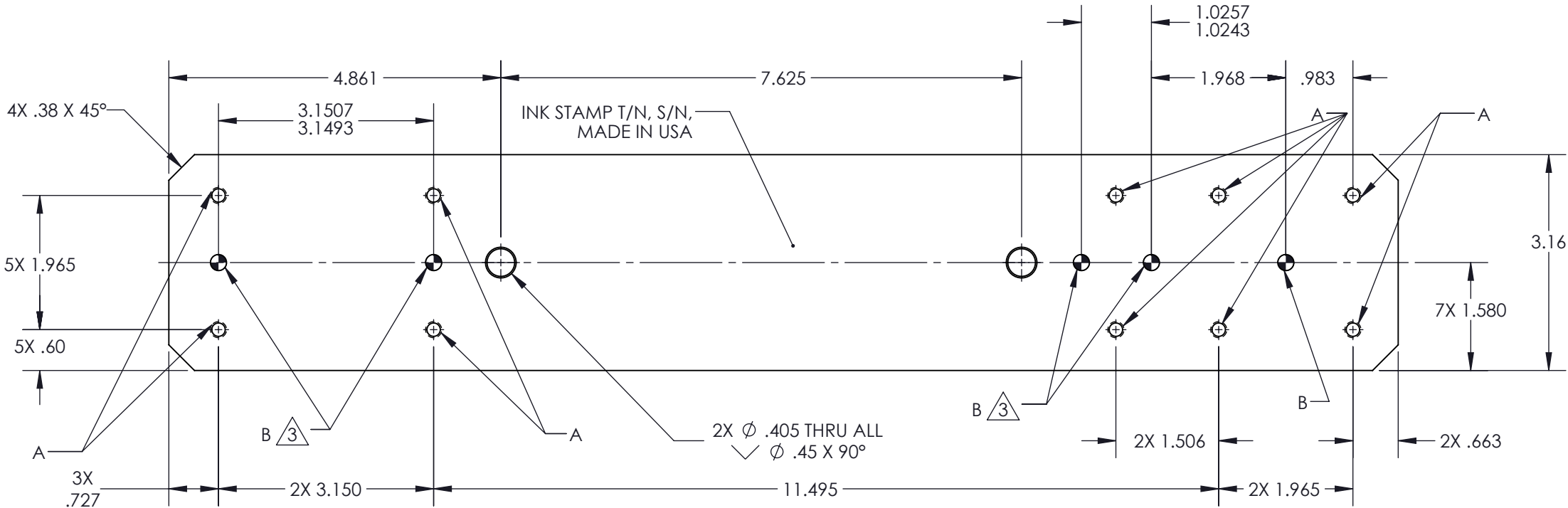
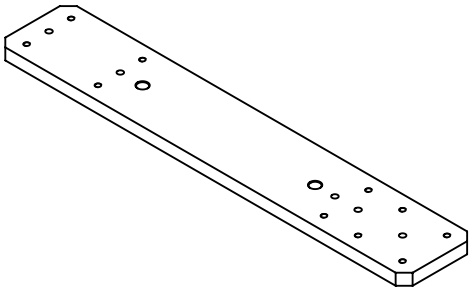
ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	BASE	A36/1018/1020 HR		2
			-3	1	POST	A36/1018/1020 HR		3
			-5	1	SEAT	A36/1018/1020 HR		4
	X		-7	2	THUMB SCREW WELDMENT			5
	1		-7A		THUMB SCREW HEAD	303/304		6
	1		-7B		THUMB SCREW SHAFT	303/304		7
			-9	1	STAND	A36/1018/1020 HR		8
		B/O	-11	5	DOWEL PIN	STEEL	6mm X 20mm (MCMaster-CARR #91595A452)	1
		B/O	-13	10	HEX HEAD CAP SCREW	STEEL	M6 X 1 X 20mm (MCMaster-CARR #91280A330)	1
		B/O	-15	10	LOCK WASHER	STEEL	ØM6 (MCMaster-CARR #91202A234)	1
		B/O	-17	10	FLAT WASHER	STEEL	ØM6 (MCMaster-CARR #91166A250)	1
		B/O	-19	1	CASE	PLASTIC	PELICAN #APP-1510-E	N/S
		B/O	-21	1	BOTTOM TOOL CUSHION	Y20 BLACK	5.79 X 11.26 X 20.12 (I.R. SPECIALTY)	9
		B/O	-23	1	TOP TOOL CUSHION	Y20 BLACK	1.79 X 11.26 X 20.12 (I.R. SPECIALTY)	10
		B/O		1	DART PLACARD	ALUMINUM	RB41011	N/S
	ASSY -7							

NOTE:
REF. AIRBUS T/N M623U4003102.

		TITLE	
		PITCH ROD LENGTH ADJUSTMENT TOOL	
DWG NO.		RBEM623U4003102	
		REV 1	
MAT'L		UNLESS OTHERWISE SPECIFIED	
HEAT TREAT		DIMENSIONS ARE IN INCHES	
FINISH		.XXX ± .005 FRACTIONS ± 1/8	
SPEC		.XX ± .01 ANGLES ± 5°	
		.X ± .1 SURFACES = 125°	
DRAWN BY:		CLOUGH	
CHECKED:		DUERFELDT	
OPPS APPR:		ANDERSON	
QA APPR:		LINDSAY	
APPROVED:		GILBERT	
SCALE		1:6	
DATE		3/31/2016	
		SHEET 1 OF 10	

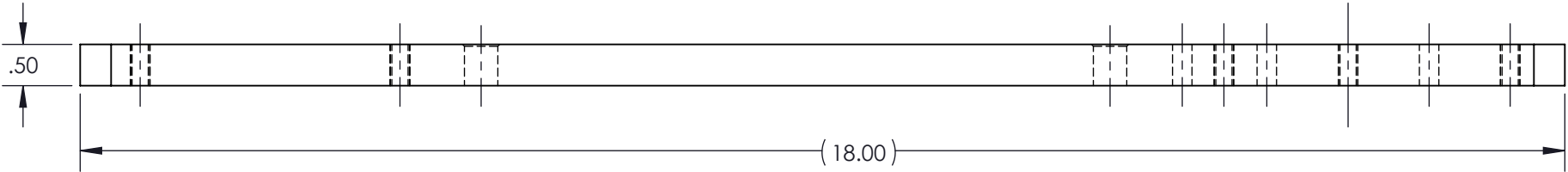
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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



HOLE TABLE	
HOLE	DIM
A	M6X1.0-6H THRU ALL
B	Ø.2362 - .2357 THRU ALL

- NOTES:
- 1. DUAL FINISH:
1ST: ZINC PLATE, ASTM B633 TYPE I SC2.
2ND: POWDER COAT YELLOW, FED #13538.
 - NO POWDER COAT THIS SURFACE.
 - DIM B TOLERANCES APPLY AFTER PLATING.

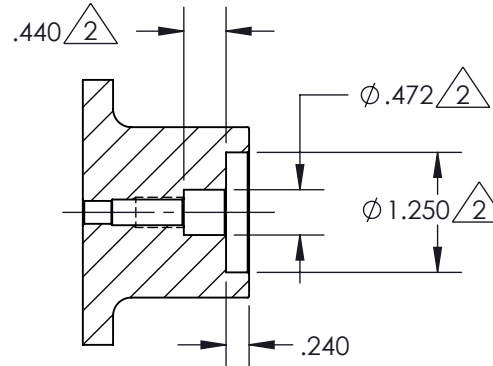
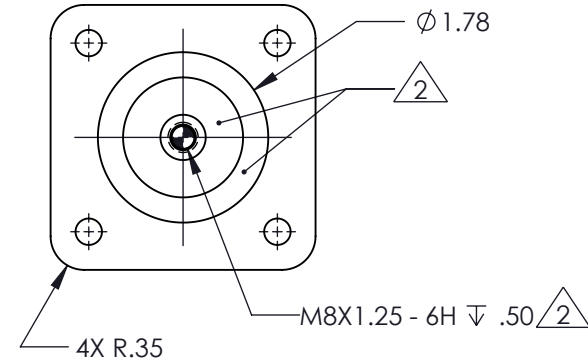
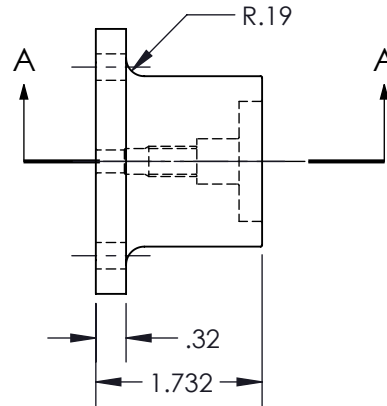
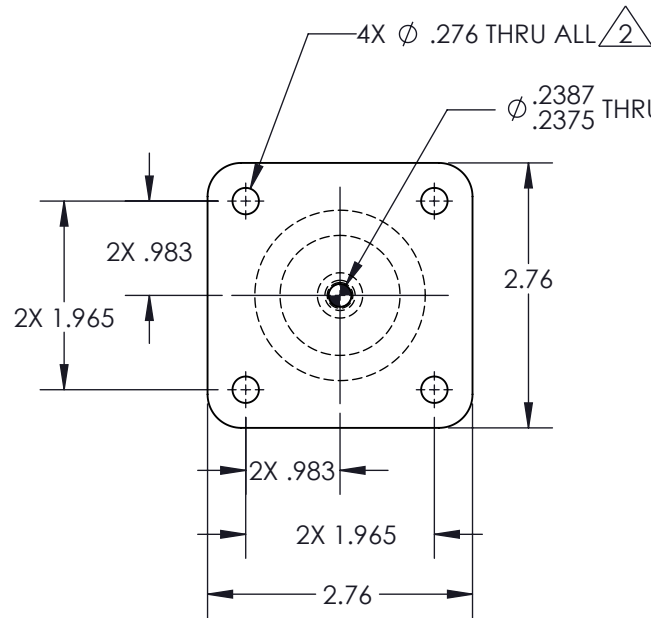


(1)
BASE

TITLE PITCH ROD LENGTH ADJUSTMENT TOOL		
DWG NO. RBEM623U4003102-1		REV 1
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT TREAT FINISH SEE NOTES 1 & 2	.XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125/	
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
DRAWN BY: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
CHECKED: DUERFELDT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
OPPS APPR: ANDERSON	USED ON MODEL	
QA APPR: LINDSAY	H175	
APPROVED: GILBERT	H175	
SCALE 1:2	DATE 4/1/2016	SHEET 2 OF 10

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				APPROVED



SECTION A-A

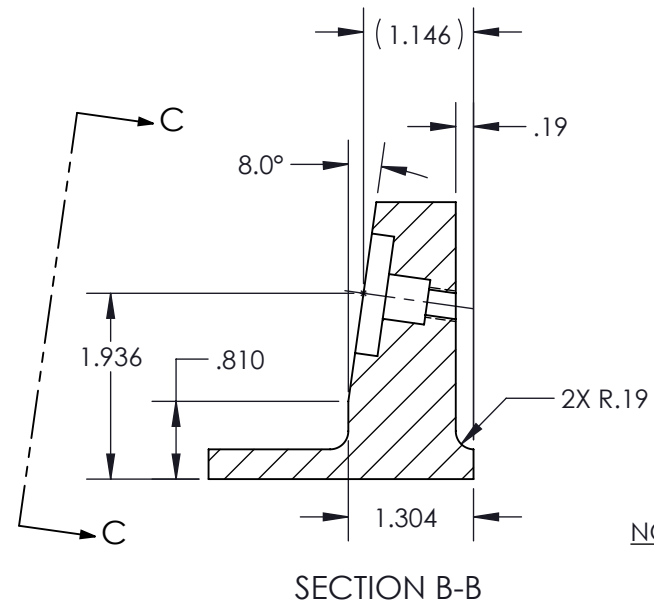
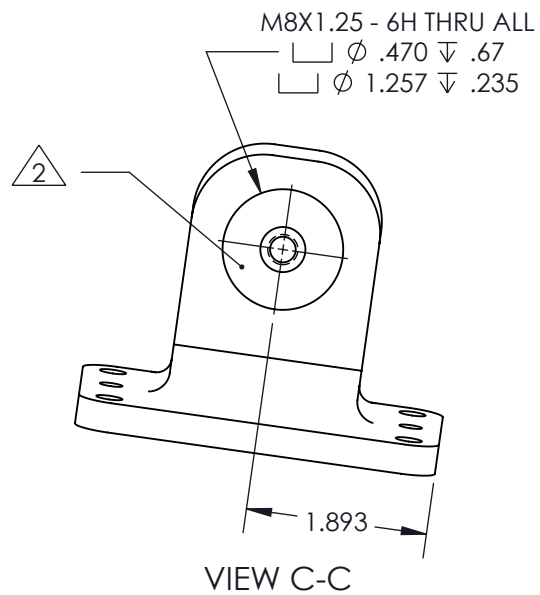
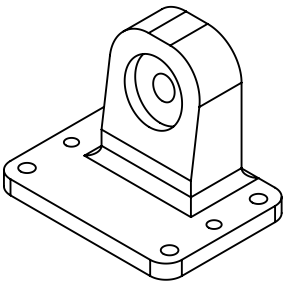
(-3)
POST

NOTES:

- DUAL FINISH:
1ST: ZINC PLATE, ASTM B633 TYPE I SC 2.
2ND: POWDER COAT YELLOW, FED #13538.
- NO POWDER COAT THIS SURFACE.
- DIMENSION APPLIES AFTER PLATING.

DART AEROSPACE	
TITLE PITCH ROD LENGTH ADJUSTMENT TOOL	
DWG NO. RBEM623U4003102-3	REV 1
MAT'L A36/1018/1020 HR HEAT TREAT FINISH SEE NOTES 1 & 2 SPEC DRAWN BY: CLOUGH CHECKED: DUERFELDT OPPTS APPR: ANDERSON QA APPR: LINDSAY APPROVED: GILBERT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125✓ 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
USED ON MODEL H175	
SCALE 1:2	DATE 4/1/2016
SHEET 3 OF 10	

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED



NOTES:

1. DUAL FINISH:
1ST: ZINC PLATE , ASTM B633 TYPE I SC2.
2ND: POWDER COAT YELLOW, FED #13538.
- 2 NO POWDER COAT THIS SURFACE.
- 3 DIMENSION APPLIES AFTER PLATING

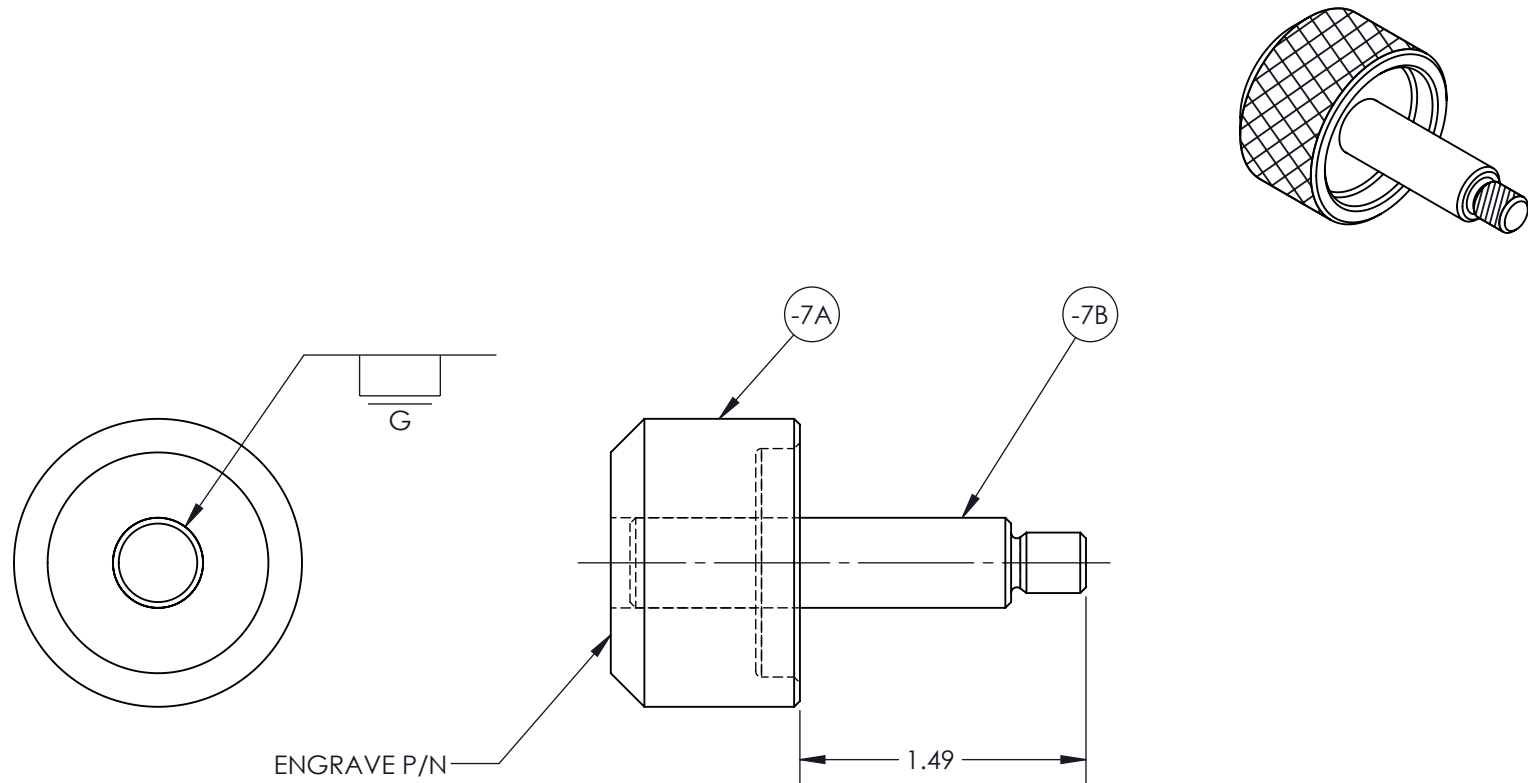


PITCH ROD LENGTH ADJUSTMENT TOOL			
DWG NO.		RBEM623U4003102-5	
REV		1	
MAT'L A36/1018/1020 HR		UNLESS OTHERWISE SPECIFIED	
HEAT TREAT		DIMENSIONS ARE IN INCHES	
FINISH SEE NOTES 1 & 2		.XXX ± .005 FRACTIONS ± 1/8	
SPEC		.XX ± .01 ANGLES ± .5°	
		.X ± .1 SURFACES = 125√	
DRAWN BY: CLOUGH		1. BREAK ALL SHARP EDGES	
CHECKED: DUERFELDT		.015 X 45° OR .015R	
OPPS APPR: ANDERSON		2. DIMENSIONAL LIMITS APPLY	
QA APPR: LINDSAY		AFTER PLATING	
APPROVED: GLIBERT		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
		USED ON MODEL	
		H175	
SCALE	1:2	DATE	4/1/2016
		SHEET 4 OF 10	

SEAT

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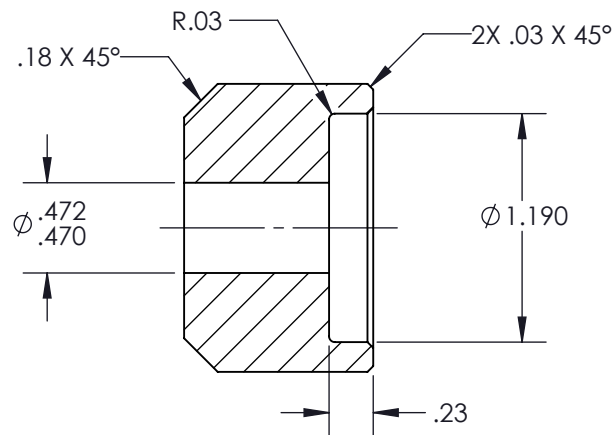
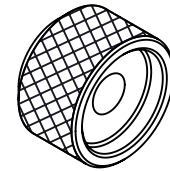
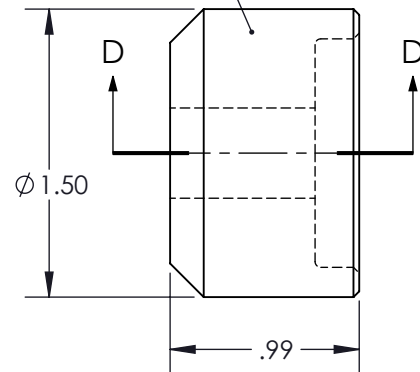
(-7)
THUMB SCREW WELDMENT

DART AEROSPACE	
TITLE PITCH ROD LENGTH ADJUSTMENT TOOL	
DWG NO. RBEM623U4003102-7	REV 1
MAT'L HEAT TREAT FINISH	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125/✓
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: DUERFELDT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	H175
SCALE 1:1	DATE 4/1/2016 SHEET 5 OF 10

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				APPROVED

MEDIUM KNURL



SECTION D-D

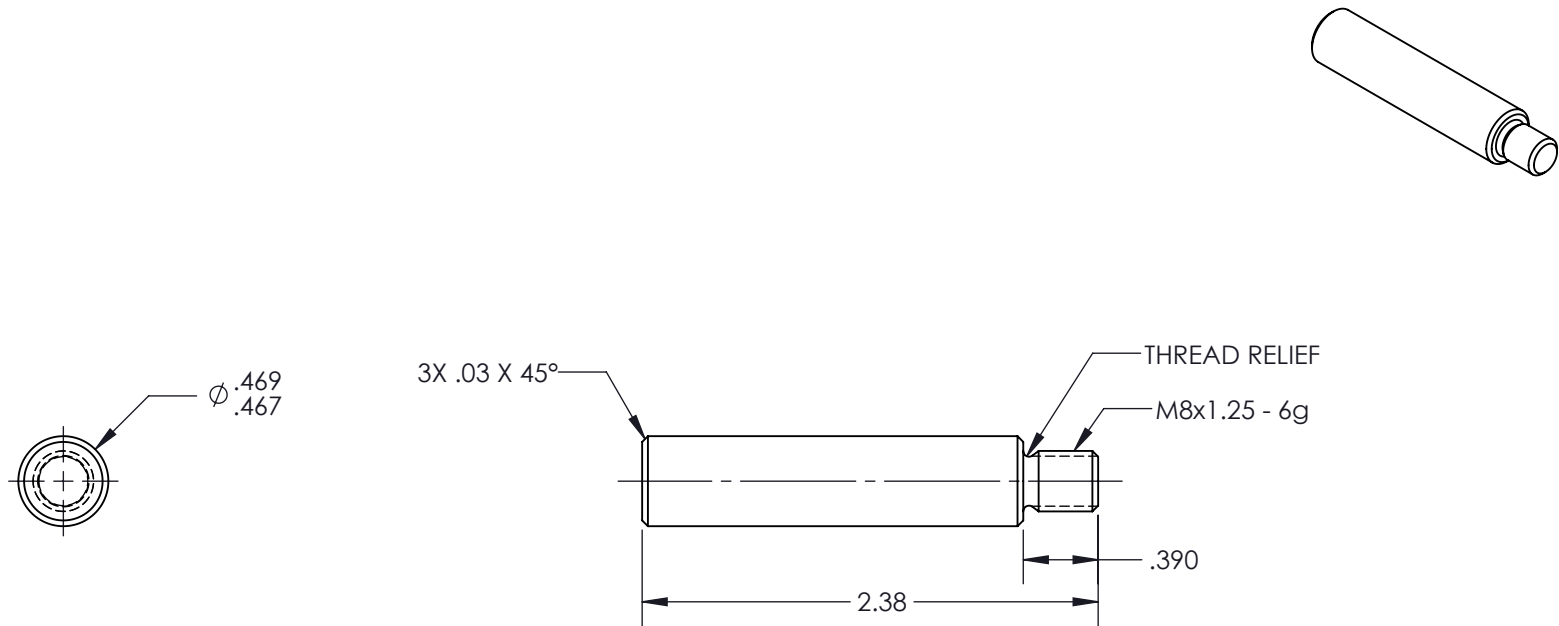
(-7A)

THUMB SCREW HEAD

DART AEROSPACE	
TITLE PITCH ROD LENGTH ADJUSTMENT TOOL	
DWG NO. RBEM623U4003102-7A	REV 1
MAT'L 303/304	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH	.XX ± .01 ANGLES ± .5°
SPEC	.X ± .1 SURFACES = 125° ✓
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	H175
SCALE 1:1	DATE 4/1/2016
SHEET 6 OF 10	

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				APPROVED



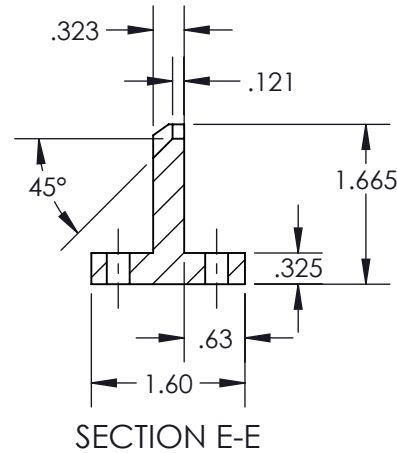
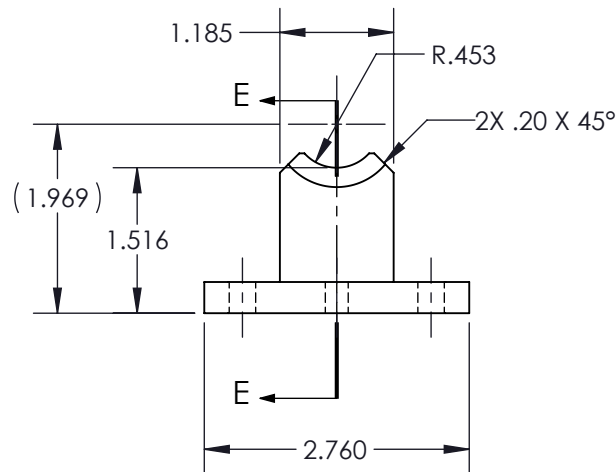
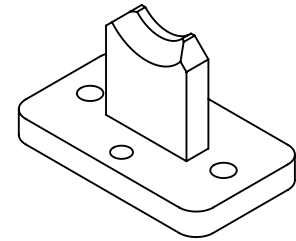
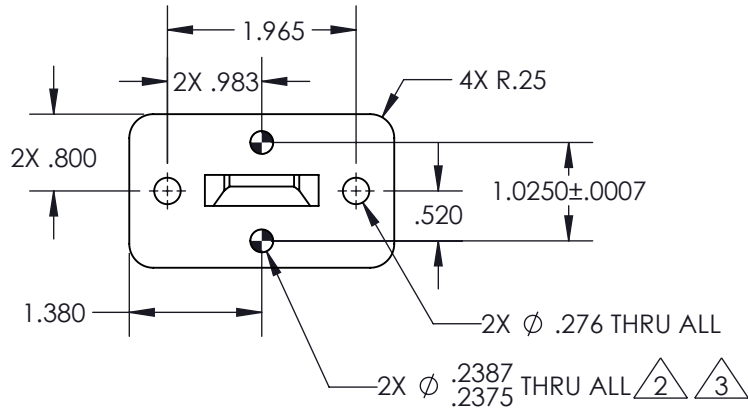
(-7B)

THUMB SCREW SHAFT

DART AEROSPACE	
TITLE PITCH ROD LENGTH ADJUSTMENT TOOL	
DWG NO. RBEM623U4003102-7B	REV 1
MAT'L 303/304	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH	.XX ± .01 ANGLES ± 5°
SPEC	.X ± .1 SURFACES = 125°
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES
CHECKED: DUERFELDT	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
QA APPR: LINDSAY	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
APPROVED: GILBERT	USED ON MODEL
SCALE 1:1	H175
DATE 4/1/2016	SHEET 7 OF 10

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REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



NOTES:

1. DUAL FINISH:
1ST: ZINC PLATE, ASTM B633 TYPE I SC 2.
2ND: POWDER COAT YELLOW, FED #13538.

2 NO POWDER COAT THIS SURFACE.

3 TOLERANCE APPLIES AFTER PLATING.



TITLE
PITCH ROD LENGTH ADJUSTMENT TOOL

DWG NO. RBEM623U4003102-9 REV 1

MAT'L A36/1018/1020 HR
HEAT TREAT
FINISH SEE NOTE 1
SPEC

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ± .5°
.X ± .1 SURFACES = 125

DRAWN BY: CLOUGH
CHECKED: DUERFELDT
OPPS APPR: ANDERSON
QA APPR: LINDSAY
APPROVED: GILBERT

1. BREAK ALL SHARP EDGES
.015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY
AFTER PLATING
3. INTERPRET DIM AND TOL PER
ASME Y14.5M-2009

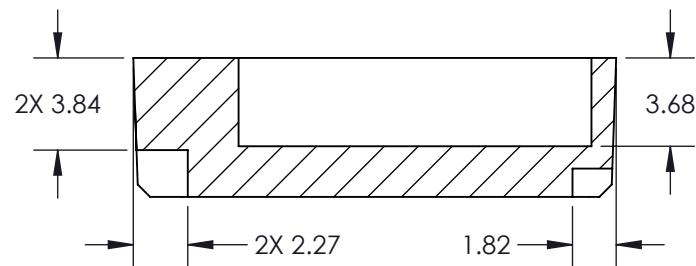
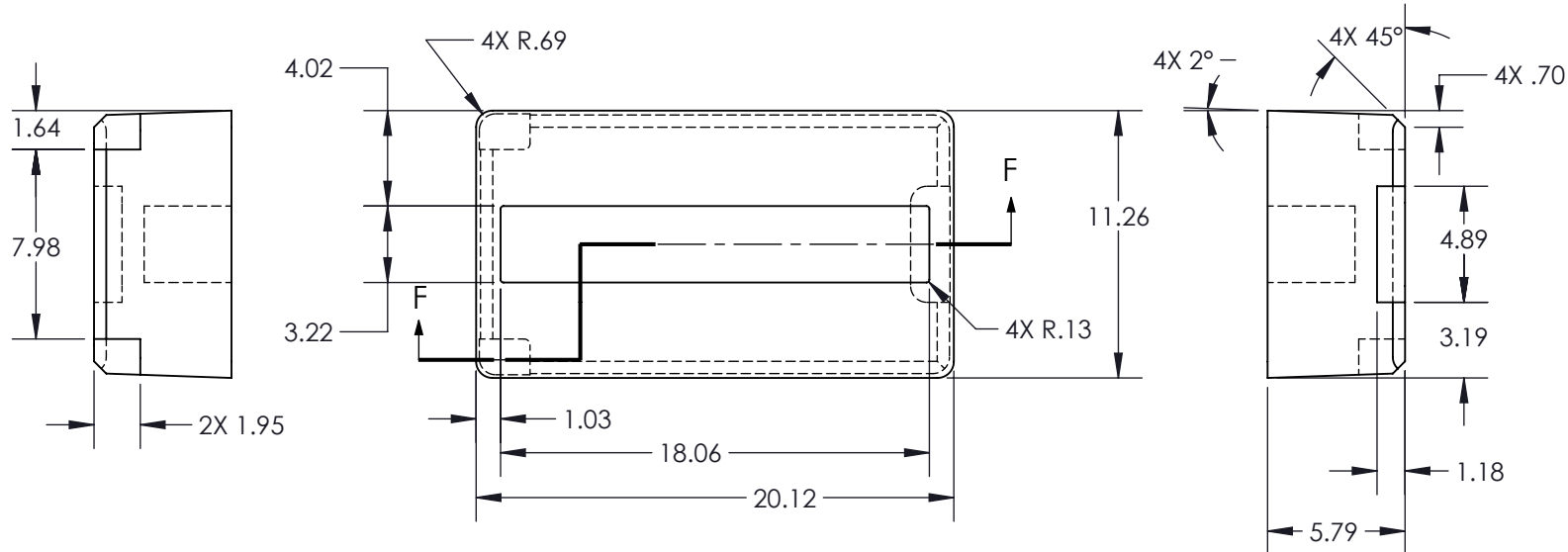
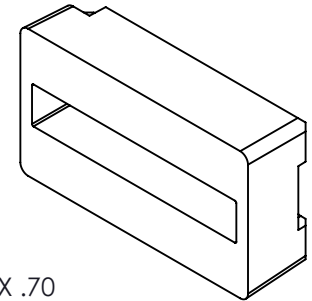
USED ON MODEL
H175

SCALE 1:2 DATE 4/1/2016 SHEET 8 OF 10

⑨
STAND

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SECTION F-F

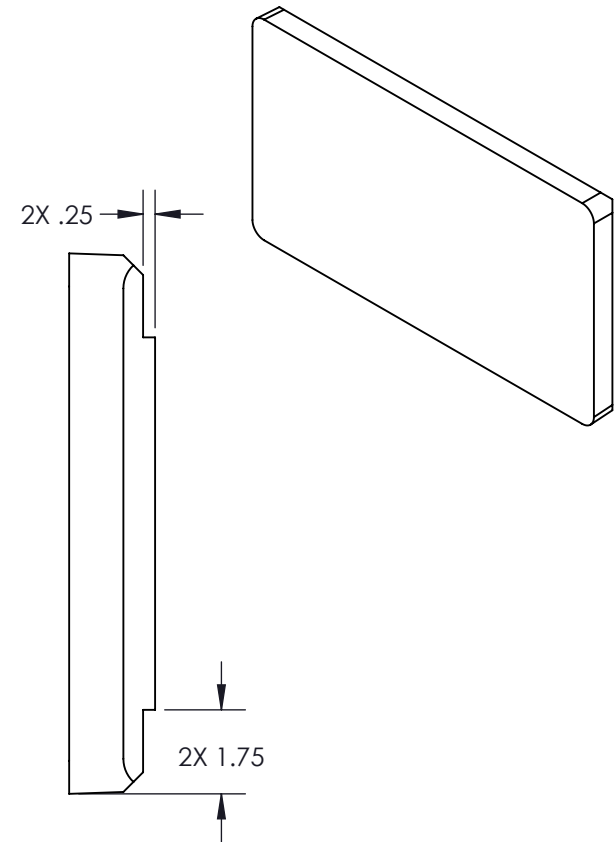
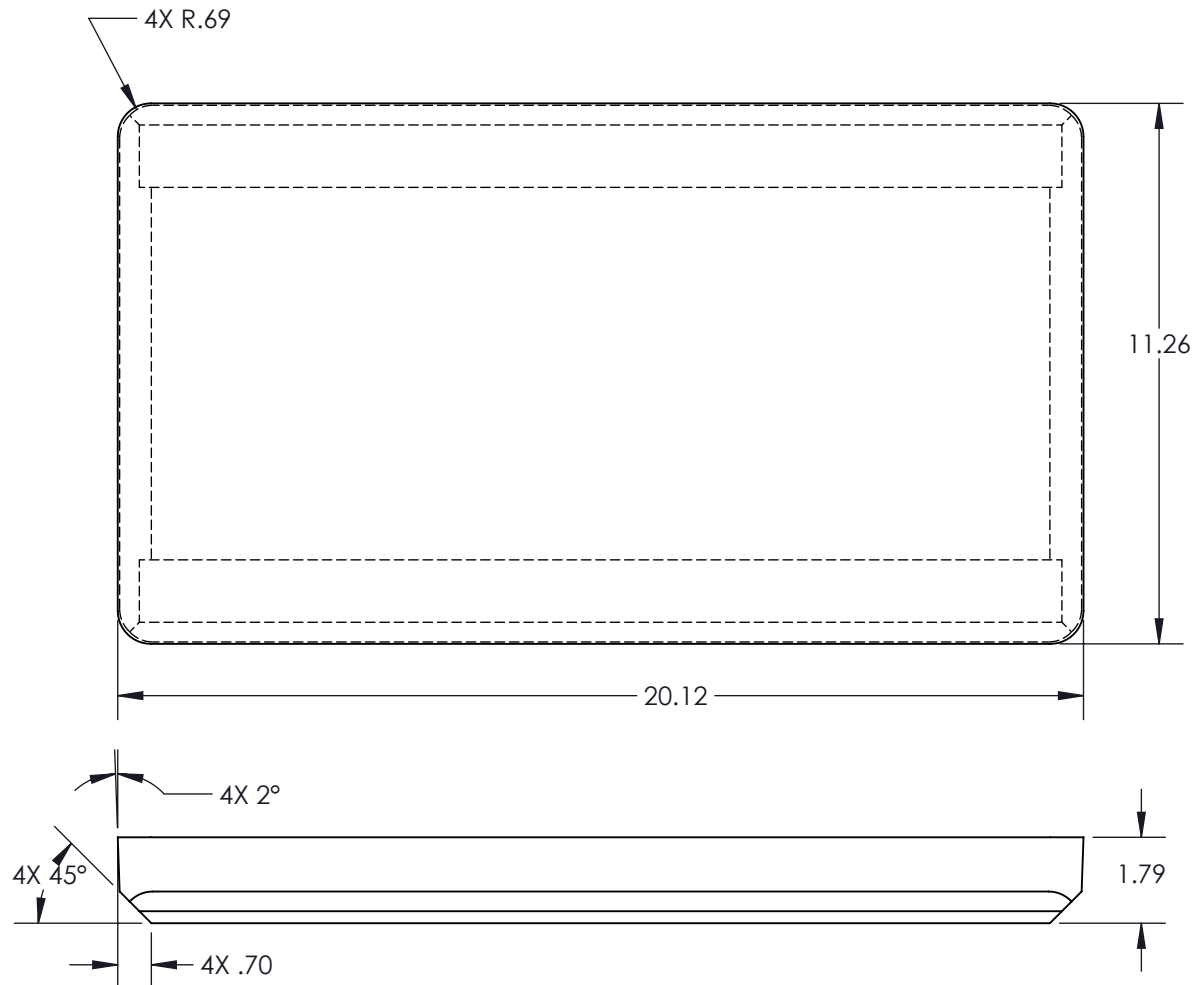
(-21)

BOTTOM TOOL CUSHION

DART AEROSPACE	
TITLE PITCH ROD LENGTH ADJUSTMENT TOOL	
DWG NO. RBEM623U4003102-21	REV 1
MAT'L ETHAFOAM 220, BLACK HEAT TREAT FINISH SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125° ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: CLOUGH	USED ON MODEL
CHECKED: DUERFELDT	H175
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:8	DATE 4/1/2016
SHEET 9 OF 10	

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				APPROVED



(-23)
TOP TOOL CUSHION

DART AEROSPACE	
TITLE PITCH ROD LENGTH ADJUSTMENT TOOL	
DWG NO. RBEM623U4003102-23	REV 1
MAT'L ETHAFOAM 220, BLACK	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT FINISH	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125/
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	
SCALE 1:4	DATE 4/1/2016
SHEET 10 OF 10	